M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. ..... First & final bill

Name of Work ..... Improvements & ~~From~~ Asphalting to ~~To~~ roads in KVS Layout, 1111010

Name of Contractor of nature of Agency ..... 1st & 2nd cross Dhanalakshmi Layout-

Date of commencement of work ..... in Ward - 69 (Vidyaranya pura)

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Job code:	009 - 20 - 000085					
	Est cost:	20.00 lakhs					
	Administrative No:	AS/CE(LYNK)/132/2020-21 dt 20-3-2020.					
	T.S. No:	TS/EE(BTP)/46/2020-21 dt 24-04-2020					
	Work order No:	BBMP/EE/BTP/WO/22/2021-21 dt 3/8/2021					
	Approved tender Amount	- Rs 17,27,975.9/-					

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494091

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(1)	E.W.E by manual means in ordinary soil involving an average horizontal throw upto 2.00 m & an average lift upto 0.5m excavated surface levelled & sides.						
	Qty vide I.No (1) Page No - 494029/1 of TMB					- 73.50 cum	
	Qty vide I.No (1) P.No - 494030/1, of TMB					- 58.08 cum	
	Qty vide I.No (1) P.No - 494032/1, of TMB					- 158.54 cum	
						total qty - 290.42 cum	
	Qty limited to - 290.16 cum						
	@ Rs 242.00/cum					Rs	70,219.00

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Removing & refixing stone slabs of drain & pointing in c.m (1:3).						
	Qty vide I.N (2) P.No - 494035/1 of TMB					- 1246.40 sq.m	
	Qty vide I.No (3) P.No - 494036/1 of TMB					- 370.34 sq.m	
						Total qty - 1617.24 sq.m	
	Qty limited to 1215.95 cum						
	@ Rs 107.00/cum						

Assist. Executive Engineer
Vijayanarayanapura Sub Division
B.B.M.P, Bangalore - 97

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494092

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Providing granite slabs of selected roughly dressed having a size of 7.5cms thick & fixed in c.m 1:2 including fixing curing etc						
	Qty vide I.No (3) P.No - 494038 of TMB - 434.31 Sqm						
	Qty limited to - 430.92 Sqm						
	@ Rs 719.00/Sqm -					3,09,831.00	
(4)	Scarifying bituminous course 50mm to 75mm thick along with premix carpet/surface dressing by manual means without disturbing the base & stacking of the debris materials						
	Qty vide I.No (4) P.No - 494042 of TMB - 746.34 Sqm						
	Qty limited to - 744.43 Sqm						
	@ Rs 92.00/Sqm					Rs 68,488.00	
(5)	P/L spreading & compacting crushed stone aggregates of granite/trap/basalt to wet-mix macadam specifications including premixing the material with water @ OMC in mechanical mix plant - carriage of mixed material						

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 491093

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of tipper to site, laying in uniform layers with paver in sub-base, base course on well prepared surface & compacting with vibratory roller to achieve the desired density complete as per specification						
	Qty vide T.No - (5) P.No - 494046 qTMB - 186.83 cum						
	Qty limited to - 186.11 cum						
	@ Rs 1941.00/cum						Rs 3,61,240.00
(6)	P/A primer coat with S.S. Bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface						
	and spraying primer @ the rate of 0.60 kg/sqm using mechanical means complete as per specifications.						
	Qty vide T.No - (6), P.No - 494048/1 qTMB - 490.13 Sqm						
	Qty limited to - 481.93 Sqm						
	@ Rs 27.00/Sqm						Rs 13012.00
(7)	P/L bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base/binding course including						

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494091

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	loading of aggregates with F.E. loader hot mixing of stone aggregates & bitumen in hot mix plant, transporting the mixed material in tipper to paver & laying mixed materials with paver finisher to the required level & grade, rolling by power roller to achieve the desired density - - - - -						
	Qty vide I.No (7) P.No - 494058/1 of TMB -					80.14 cum	
	Qty limited to -					15.72 cum	
	@- Rs 5282.00/cum					Rs	1,02,533.00

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
(8)	cleaning the existing black topped surface with brooms, soft brushes & finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour tools & machineries complete as per specifications						
	Qty vide I.No.8 P.No - 494053 of TMB -					1930.30 Sqm	
	Qty limited to -					1577.70 Sqm	
	@- Rs 5.00/Sqm					Rs	7889.00

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494095

...inal No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	I.No 9) P/A tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surface @ 2.5 kg per 10 Sqm, heating bitumen in boiler filled with spray set (excluding cleaning of road surface) including cost of all materials, labour, hire of machineries complete as per specifications,						
	Qty vide I No-8 P.No 494094/1 @ TMB - 1577.70 Sqm						
	@ Rs 12.00/Sqm					Rs 18,932.00	
	I.No 10) Providing & laying Bituminous concrete 40mm thick with hot mix plant using crushed aggregates of specified grading premixed with bituminous binder & filler transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment rolling with smooth wheeled vibratory & tandem roller to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications:						
	Qty vide I.No (10) P.No-494055/1 @ TMB - 77.26 cum						
	Qty limited to - 77.10 cum						
	@ Rs 7362.00/cum					Rs 5,67,684.00	

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494096

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I No 11	Road marking ~~Ht~~ applied thermoplastic compound with reflectrising glass beads on bituminous surface :- p/l of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads @ 250gms per Sqm area ~~thickness~~ of 2.5mm thick thickness of 2.5mm is exclusive of surface applied glass beads as per IRC : 35						
	KVS layout 1st main road	2	30.00	0.10		6.00	
		2	30.00	0.10		6.00	
		2	30.00	0.10		6.00	
		2	25.00	0.10		5.00	
	KVS layout 1st cross N/s	2	30.00	0.10		6.00	
		2	3.24	0.10		0.64	
						Total qty. 29.64	Sqm C/F
	KVS layout - 1st cross S/s	2	30.00	0.10	B/F	29.64	Sqm
		2	30.00	0.10		6.00	"
		2	30.00	0.10		6.00	"
		2	7.80	0.10		1.56	"
	KVS layout - 2nd cross	2	30.00	0.10		6.00	"
	KVS layout - 2nd A cross	2	31.00	0.10		6.20	"
		2	30.00	0.10		6.00	"
		2	3.30	0.10		0.66	"
	KVS layout - 2nd B' cross	2	30.00	0.10		6.00	"
		2	19.00	0.10		3.80	"
						Total qty. 71.56	Sqm C/F

CAT'S

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

MEASUREMENT BOOK

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494097

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					B/F	71.86	Sqmt
		2	30.00	6.10		6.00	"
		2	12.00	0.10		2.40	"
					Total	80.26	Sqmt
	Qty limited to					79.80	Sqmt
	@ Rs					441.00 / Sqmt	Rs 35,192.00
					Sub Total	Rs	17,27,977.00
					GST @ 12%		2,07,357.00
					Grand total	Rs	19,35,334.00

25/4/2022

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

certificate: 1) contractor has cleared all debris from work spot.
2) contractor has completed the work satisfactorily.

S.I. (CONTRACTOR)

25/4/2022.

25/4/22

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	KVS Layout, Vinayakanagara						
	Vinayakanagara Hanuman Temple Road		67.80m				
			61.00m				